

FIGURE 1

1 GAATTC AAGA CCAGCCTGGA CAACTTGGAA GAACCCGGTC TCTACAAAA ATACAAAATT  
61 AGCTGGGATT GGGTGCCTG GCTCATGCCCT ATAATCCCAG CACTTTGGGA GCCTGAGGTG  
121 GGTGGATCAC CTGAAGTCAG GAGTTCAAGA CTAGCCTGGC CAACATGGTG AAACCCATATC  
181 TCTACTGAAA ATACAAAAAG CTAGACGTGG TGGCACACAC CTGTAATCCC AGCTACTTAG  
241 GAGGCTGAGG CAGGAGAATT GCTTGAAGCC TAGAGGTGAA GGTTGTAGTG AGCCGAGATT  
301 GCATCATTCG ACAATGGAGG GGAGCCACCA GCCTGGGCAA CAAGAGGAAA TCTCCGTCTC  
361 CAAAAA AAAAAA AAAGAATTAG GCTGGGTGGT GCCTGTAGTC CCAGCTACTT  
421 GGGAGGCAGG GGGTCCACTT GATGTCGAGA CTGCAGTGAG CCATGATCCT GCCACTGCAC  
481 TCCGGCCTGG GCAACAGAGT GAGACCCTGT CTAAGAAAA AAAAAATAA GCAACATATC  
541 CTGAACAAAG GATCCTCCAT AACGTTCCCA CCAGATTTCT AATCAGAAAC ATGGAGGCCA  
601 GAAAGCAGTG GAGGAGGACG ACCCTCAGG AGCCCCGGAG GATGTTGTCA CAGGCTGGGG  
661 CAAGGGCCTT CCGGCTACCA ACTGGGAGCT CTGGGAACAG CCCTGTGCA AACAAGAAGC  
721 CATAGCCCGG CCAGAGCCCA GGAATGTGGG CTGGGCTGGG AGCAGCCTCT GGACAGGAGT  
781 GGTCCCATCC AGGAAACCTC CGGCATGGCT GGGAAAGTGGG GTACTTGGTG CCGGGTCTGT  
841 ATGTGTGTGT GACTGGTGTG TGTGAGAGAG AATGTGTGCC CTAAGTGTC GTGTGAGTCT  
901 GGTATGTGT GAATATTGTC TTTGTGTGGG TGATTTTCTG CGTGTGTAAT CGTGTCCCTG  
961 CAAGTGTGAA CAAGTGACA AGTGTCTGGG AGTGGACAAG AGATCTGTGC ACCATCAGGT  
1021 GTGTGCATAG CGTCTGTGCA TGTCAAGAGT GCAAGGTGAA GTGAAGGGAC CAGGCCCATG  
1081 ATGCCACTCA TCATCAGGAG CTCTAAGGCC CCAGGTAAAGT GCCAGTGACA GATAAGGGTG  
1141 CTGAAGGTCA CTCTGGAGTG GGCAGGTGGG GGTAGGGA AAGGGCAAGGCC ATGTTCTGGA  
1201 GGAGGGGTTG TGACTACATT AGGGTGTATG AGCCTAGCTG GGAGGTGGAT GGCCGGGTCC  
1261 ACTGAAACCC TGGTTATCCC AGAAGGCTTT GCAGGCTTCA GGAGCTTGA GTGGGGAGAG  
1321 GGGGTGACTT CTCCGACCAG GCCCCTCCAC CGGCCTACCC TGGGTAAAGG CCTGGAGCAG  
1381 GAAGCAGGGG CAAGAACCTC TGGAGCAGCC CATACCCGCC CTGGCCTGAC TCTGCCACTG  
1441 GCAGCAGAGT CAACACAGCA GGTTCATCA CAGCAGAGGG CAAAGGCCAT CGCCGGTCC  
1501 CTTTATAAGG GAAGGTCAC GCGCTCGGTG TGCTGAGAGT GTCCCTGCTG GTCCTCTGTG  
1561 CCTGGTGGGG TGGGGTGCC AGGTGTGTCC AGAGGAGCCC ATTTGGTAGT GAGGCAGGTA  
1621 TGGGGCTAGA AGCACTGGTG CCCCTGGCCG TGATAGTGGC CATCTTCCTG CTCCTGGTGG  
1681 ACCTGATGCA CCGGCGCAA CGCTGGGCTG CACGCTACCC ACCAGGCCCC CTGCCACTG  
1741 CCGGGCTGGG CAACCTGCTG CATGTGGACT TCCAGAACAC ACCATACTGC TTCGACCAGG  
1801 TGAGGGAGGA GGTCTTGAG GCGGCGAGAG GTGCTGAGGC TCCCCTACCA GAAGCAAACA  
1861 TGGATGGTGG GTGAAACCAC AGGCTGGACC AGAAGCCAGG CTGAGAAGGG GAAGCAGGTT  
1921 TGGGGGACGT CTTGGAGAAG GGCATTTATA CATGGCATGA AGGACTGGAT TTTCCAAAGG  
1981 CCAAGGAAGA GTAGGGCAAG GGCCTGGAGG TGGAGCTGGA CTTGGCAGT GGCATGCAAG  
2041 CCAATTGGGC AACATATGTT ATGGAGTACA AAGTCCCTTC TGCTGACACC AGAAGGAAAG  
2101 GCCTTGGGAA TGGAAGATGA GTTAGTCCCT AGTGCCGTTT AAATCACGAA ATCGAGGATG  
2161 AAGGGGGTGC AGTGACCCGG TTCAAACCTT TTGCACTGTG GGTCTCGGG CCTCACTGCC  
2221 TCACCGCAT GGACCATCAT CTGGGAATGG GATGCTAACT GGGGCCCTCT GGCAATTTTG  
2281 TGACTCTTTG CAAGGTCATA CCTGGGTGAC GCATCCAAAC TGAGTTCCTC CATCACAGAA  
2341 GGTGTGACCC CCACCCCGC CCCACGATCA GGAGGCTGGG TCTCCTCCTT CCACCTGCTC  
2401 ACTCCTGGTA GCGCCGGGG TCGTCCAAGG TTCAAATAGG ACTAGGACCT GTAGTCTGGG  
2461 GTGATCCTGG CTTGACAAGA GGCCCTGACC CTCCCTCTGC AGTTGCGGG CCGCTTCGGG  
2521 GACGTGTTCA GCCTGCAGCT GGCCTGGACG CCGGTGGTCC TGCTCAATGG CTGGCGGCC  
2581 GTGCGCGAGG CGCTGGTGAC CCACGGCGAG GACACCGCCG ACCGCCCGCC TGTGCCATC  
2641 ACCCAGATCC TGGGTTTCGG GCGCGTTC CAAGGCAAGC AGCGGTGGGG ACAGAGACAG  
2701 ATTTCCGTGG GACCCGGGTG GGTGATGACC GTAGTCCGAG CTGGGCAGAG AGGGCGCGGG  
2761 GTCGTGGACA TGAACAGGC CAGCGAGTGG GGACAGCGGG CCAAGAAACC ACCTGCTACT  
2821 GGGAGGTGTG AGCATGGGA CGAGGGCGGG GCTTGTGACG AGTGGGCGGG GCCACTGCCG  
2881 AGACCTGGCA GGAGCCCAAT GGGTGAGCGT GGCGCATTTT CCAGCTGGAA TCCGGTGTCT  
2941 AAGTGGGGGC GGGGACCGCA CCTGTGCTGT AAGCTCAGTG TGGGTGGCGC GGGGCCCGCG  
3001 GGGTCTTCCC TGAGTGCAA GGCGGTCAGG GTGGGCAGAG ACGAGGTGGG GCAAAGCCTG  
3061 CCCCAGCCAA GGGAGCAAGG TGGATGCACA AAGAGTGGGC CCTGTGACCA GCTGGACAGA  
3121 GCCAGGACT GCGGGAGACC AGGGGAGCA TAGGGTTGGA GTGGGTGGTG GATGGTGGGG  
3181 CTAATGCCTT CATGGCCACG CGCACGTGCC CGTCCCACCC CCAGGGGTGT TCCTGGCGCG  
3241 CTATGGGCCC GCGTGGCGCG AGCAGAGGCG CTTCTCCGTG TCCACCTTGC GCAACTTGGG  
3301 CCTGGGCAAG AAGTCGCTGG AGCAGTGGGT GACCGAGGAG GCCGCTGCG TTTGTGCCCG  
3361 CTGCGCCAAC CACTCGGTG GGTGATGGGC AGAAGGACAC AAAGCGGGA CTGGGAAGGC  
3421 GGGGACGGG GAAGGCGACC CTTACCCGC ATCTCCACC CCCAGGACGC CCCTTTCGCC  
3481 CCAACGGTCT CTTGGACAAA GCGGTGAGCA ACGTGATCGC CTCCCTCACC TGCGGGCGCC  
3541 GCTTCGAGTA CGACGACCTT CGCTTCCTCA GGCTGCTGGA CCTAGCTCAG GAGGACTGA  
3601 AGGAGGATC GGGCTTCTG CGCGAGGTG GGAGCGAGAG ACCGAGGAGT TCTGTGAGG  
3661 CGAGCTCCCG AGAGGTGCCG GGGCTGGACT GGGGCTCGG AAGAGCAGGA TTGTGATAGA  
3721 TGGGTTTGGG AAAGGACATT CCAGGAGACC CCACTGTAAG AAGGGCTGG AGGAGGAGGG  
3781 GACATCTCAG ACATGGTCGT GGGAGAGGTG TGCCCCGGTC AGGGGACACC AGGAGAGGCC  
3841 AAGGACTCTG TACCTCCTAT CCACGTCAGA GATTTCGATT TTAGGTTTCT CCTCTGGGCA  
3901 AGGAGAGAG GTGGAGGCTG GCACCTGGGG AGGGACTTGG TGAGGTCAGT GGTAAAGACA

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3961	GGCAGGCCCT	GGGTCTACCT	GGAGATGGCT	GGGGCCTGAG	ACTTGTCCAG	GTGAACGCAG
4021	AGCACAGGAG	GGATTGAGAC	CCCCTTCTGT	CTGGTGTAGG	TGCTGAATGC	TGTCCCCGTC
4081	CTCCTGCATA	TCCCAGCGCT	GGCTGGCAAG	GTCCCTACGCT	TCCAAAAGGC	TTTCCTGACC
4141	CAGCTGGATG	AGCTGCTAAC	TGAGCACAGG	ATGACCTGGG	ACCCAGCCCCA	GCCCCCCCCGA
4201	GACCTGACTG	AGGCCCTTCT	GGCAGAGATG	GAGAAGGTGA	GAGTGGCTGC	CACCGGTGGGG
4261	GGCAAGGGTG	GTGGGTGAG	CGTCCCAGGA	GGAATGAGGG	GAGGTGGGC	AAAAGGTTGG
4321	ACCAGTGCAT	CACCCGCGCA	GCCGCATCTG	GGCTGACAGG	TGCAGAATTG	GAGGTCAATTT
4381	GGGGGCTACC	CCGTTCTGTC	CCGAGTATGC	TCTCGGCCCT	GCTCAGGCCA	AGGGGAACCC
4441	TGAGAGCAGC	TTCAATGATG	AGAACCTGCG	CATAGTGGTG	GCTGACCTGT	TCTCTGCCGG
4501	GATGGTGACC	ACCTCGACCA	CGCTGGCCTG	GGGCCTCCTG	CTCATGATCC	TACATCCGGA
4561	TGTGCAGCGT	GAGCCCATCT	GGGAAACAGT	GCAGGGGCCG	AGGGAGGAAG	GGTACAGGCG
4621	GGGGCCCATG	AACTTTGCTG	GGACACCCGG	GGCTCCAAGC	ACAGGCTTGA	CCAGGATCCT
4681	GTAAGCCTGA	CCTCCTCCAA	CATAGGAGGC	AAGAAGGAGT	GTGAGGGCCG	GACCCCTTGG
4741	GTGCTGACCC	ATTGTGGGGA	CGCATGTCTG	TCCAGGCCGT	GTCCAACAGG	AGATCGACGA
4801	CGTGATAGGG	CAGGTGCGGC	GACCAGAGAT	GGGTGACCAG	GCTCACATGC	CCTACACCAC
4861	TGCCGTGATT	CATGAGGTGC	AGCGCTTTGG	GGACATCGTC	CCCCTGGGTG	TGACCCATAT
4921	GACATCCCGT	GACATCGAAG	TACAGGGCTT	CCGCATCCCT	AAGGTAGGCC	TGGCGCCCTC
4981	CTCACCCAG	CTCAGCACA	GCACCTGGTG	ATAGCCCCAG	CATGGCTACT	GCCAGGTGGG
5041	CCCACTCTAG	GAACCCTGGC	CACCTAGTCC	TCAATGCCAC	CACACTGACT	GTCCCCACTT
5101	GGGTGGGGGG	TCCAGAGTAT	AGGCAGGGCT	GGCCTGTCCA	TCCAGAGCCC	CCGTCTAGTG
5161	GGGAGACAAA	CCAGGACCTG	CCAGAATGTT	GGAGGACCCA	ACGCCGTCAG	GGAGAGGGGG
5221	CAGTGTGGGT	GCCCTGTAGA	GGTGTGACTG	CGCCCTGCTG	TGGGGTCGGA	GAGGGTACTG
5281	TGGAGCTTCT	CGGGCGCAGG	ACTAGTTGAC	AGAGTCCAGC	TGTTGTGCCAG	GACAGTGTGTG
5341	TCCCCCGTGT	GTTTGGTGGC	AGGGGTCCCA	GCATCCTAGA	GTCCAGTCCC	CACTCTCACC
5401	CTGCATCTCC	TGCCCAGGGA	ACGACACTCA	TCACCAACCT	GTCAATCGGTG	CTGAAGGATG
5461	AGGCCGTCTG	GGAGAAGCCC	TTCCGCTTCC	ACCCCGAACA	CTTCTGGAT	GCCCAGGGCC
5521	ACCTTGTGAA	GCCGGAGCCC	TTCTTGCTTT	TCTCAGCAGG	TGCCGTGGGG	TGCCCTGGCT
5581	CCCTGTCCCC	TTCCGTGGAG	TCTTGACGGG	GTATCACCCA	GGAGCCAGGC	TCACTGACGC
5641	CCCTCCCCCTC	CCCACAGGCC	GCCGTGCATG	CCTCGGGGAG	CCCCTGGCCC	GCATGGAGCT
5701	CTTCTCTTTC	TTACCTTCCC	TGCTGCAGCA	CTTCAGCTTC	TCGGTGCCCCA	CTGGACAGCC
5761	CCGGCCCAGC	CACCATGGTG	TCTTTGCTTT	CCTGGTGAGC	CCATCCCCCT	ATGAGCTTTG
5821	TGCTGTGCCC	CGCTAGTATG	GGGTACCTAG	TCCCCAGCCT	GCTCCCTAGC	CATAGGCTCT
5881	AATGTACAAT	AAAGCAATGT	GGTAGTTCCA	ACTCGGGTCC	CCTGCTCACG	CCCTCGTTGG
5941	GATCATCTCTC	CTCAGGGCAA	CCCCACCCCT	GCCTCATTCC	TGCTTACCCC	ACCGCCTGGC
6001	CGCATTTGAG	ACAGGGGTAC	GTTGAGGCTG	AGCAGATGTC	AGTTACCCTT	GCCCATAATC
6061	CCATGTCCCC	CACTAGCCCC	ACTCTGACTG	CCCAGATTGG	TGACAAGGAC	TGACATTGTCC
6121	TGGCATGTGG	GGAAGGGGCC	AGAATGGGCT	GACTAGAGGT	GTCAAGTCAGC	CCTGGATGTG
6181	GTGGAGAGGG	CAGGACTCAG	CCTGGAGGCC	CATATTTTCA	GCCTAACTCA	GCCCACCCCA
6241	CATCAGGGAC	AGCAGTCTCTG	CCAGCACCAT	CACAACAGTC	ACCTCCCTTC	ATATATGACA
6301	CCCCAAAACG	GAAGACAAAT	CATGGCGTCA	GGGAGCTATA	TGCCAGGGCT	ACCTACCTCC
6361	CAGGGCTCAG	TCGGCAGGTG	CCAGAACGTT	CCCTGGGAAG	GCCCCATGGA	GCCCCAGGAC
6421	TGAGCCACCA	CCCTCAGCCT	CGTCACCTCA	CCACAGGACT	GGCTACCTCT	CTGGGCCCTC
6481	AGGGATGCTG	CTGTACAGAC	CCCTGACCAG	TGACGAGTTC	GCACTCAGGG	CCAGGCTGGC
6541	GCTGGAGGAG	GACACTTGTT	TGGCTCCAAC	CCTAGGTACC	ATCCTCCAG	TAGGGATCAG
6601	GCAGGGCCCA	CAGGCCTGCC	CTAGGGACAG	GAGTCAACCT	TGGACCCATA	AGGCCTGGG
6661	GCGGGCAGAG	AAGGAGGAGG	TGGCATGGGC	AGCTGAGAGC	CAGAGACCTT	GACCCTAGTC
6721	CTTGCTCTGC	CATTACCCCG	TGTGACCCCG	GGCCCCACCT	TCCCCACCTT	TCCCCACCCC
6781	GGGCTTCTGT	TTCTTCTGTC	CAACGAGAAG	GCTGCTTCAC	CTGCCCCGAG	TCCTGTCTTC
6841	CTGCTCTGCC	TTCTGGGGCT	GTGGCCCTTG	CTGGCCTGGA	GCCCCAACCA	AGGGCAGGGA
6901	CTGCTGTCTT	CCACGTCTGT	CCTCACCCAG	ATAATGGGCT	GGGCTGGGCA	CACAGGCAGT
6961	GCCCAAGAGT	TTCTAATGAG	CATATGATTA	CCTGAGTCCT	GGGCAGACCT	TCTTAGGGAA
7021	CAGCCTGGGA	CAGAGAACCA	CAGACACTCT	GAGGAGCCAC	CCTGAGGCCT	CTTTTGGCCAG
7081	AGGACCCTAC	AGCCTCCCTG	GCAGCAGTTC	CGCCAGCATT	TCTGTAAATG	CCCTCATGCC
7141	AGGGTGCGGC	CCGGCTGTCA	GCACGAGAGG	GACGTTGGTC	TGTCCCTTGG	AGCCAGTCA
7201	GTGAGAAGGG	TGGCCAGGGC	CCCCTTGGGC	CCCTCCAGAG	ACAATCCACT	GTGGTCACAC
7261	GGCTCGGTGG	CAGGAAGTGC	TGTTCTTGCA	GCTGTGGGGA	CAGGGAGTGT	GGATGAAGCC
7321	AGGCTGGGTT	TGCTTGAAGA	CGGAGGCCCC	GAAAGGTGGC	AGCCTGGCCT	ATAGCAGCAG
7381	CAACTCTTGG	ATTTATTTGA	AAGATTTTCT	TCACGGTTCT	GAGTCTTGGG	GGTGTTAGAG
7441	GCTCAGAACC	AGTCCAGCCA	GAGCTCTGTC	ATGGGCACGT	AGACCCGGTC	CCAGGGCCCTT
7501	TGCTCTTTGC	TGTCCTCAGA	GGCCTCTGCA	AAGTAGAAAC	AGGCAGCCTT	GTGAGTCCCC
7561	TCCTGGGAGC	AACCAACCTT	CCCTCTGAGA	TGCCCCGGGG	CCAGGTCAGC	TGTGGTGAAA
7621	GGTAGGGATG	CAGCCAGCTC	AGGGAGTGGC	CCAGAGTTCC	TGCCCCACCA	AGGAGGCTCC
7681	CAGGAAGGTC	AAGGCACCTG	ACTCCTGGGC	TGCTTCCCTC	CCCTCCCCCT	CCCAGCTCAG
7741	GAAGGTGGGA	AAGGGCTGGG	GTGTCTGTGA	CCCTGGCAGT	CACTGAGAAG	CAGGGTGGAA
7801	GCAGCCCCCT	GCAGCACGCT	GGGTCACTGG	TCTTACCAGA	TGGATACGCA	GCAACTTCCT
7861	TTTGAACCTT	TTTATTTTCC	TGGCAGGAAG	AAGAGGGATC	CAGCAGTGAG	ATCAGGCAGG
7921	TTCTGTGTTG	CACAGACAGG	GAAACAGGCT	CTGTCCACAC	AAAGTCGGTG	GGGCCAGGAT
7981	GAGGCCAGT	CTGTTACACAC	ATGGCTGCTG	CCTCTCAGCT	CTGCACAGAC	GTCCCTCGCTC

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8041	CCCTGGGATG	GCAGCTTGGC	CTGCTGGTCT	TGGGGTTGAG	CCAGCCTCCA	GCACTGCCTC
8101	CCTGCCCTGC	TGCCTCCCAC	TCTGCAGTGC	TCCATGGCTG	CTCAGTTGGA	CCCACGCTGG
8161	AGACGTTTCA	TGGAAGCCCC	GGGCTGTCTT	TACCTCCCAG	TCTGGGGTAC	CTGCCACCTC
8221	CTGCTCAGCA	GGAATGGGGC	TAGGTGCTTC	CTCCCCTGGG	GACTTCACCT	GCTCTCCCTC
8281	CTGGGATAAG	ACGGCAGCCT	CCTCCTTGGG	GGCAGCAGCA	TTCAGTCCTC	CAGGTCTCCT
8341	GGGGGTCGTG	ACCTGCAGGA	GGAATAAGAG	GGCAGACTGG	GCAGAAAGGC	CTTCAGAGCA
8401	CCTCATCCTC	CTGTTCTCAC	ACTGGGGTGT	CACAGTCCTG	GGAAGTTCTT	CCTTTTCAGT
8461	TGAGCTGTGG	TAACCTTGTG	AGTTTCCTGG	AGGGGGCCTG	CCACTACCTT	TGGGACTCCC
8521	TGCCGTGTGT	CTGGGTCTAA	CTGAGCTCTG	AAAGGAGAGA	GCCCCAGCCC	TGGGCCTTCC
8581	AGGGGAAGCC	TTACCTCAGA	GTTTGGCTTC	TTCTACTCTT	TGACTTTGCG	TCTCTGCAGA
8641	GGGAGGTGGG	AGGGGTGACA	CAACCCTGAC	ACCCACACTA	TGAGTGATGA	GTAGTCCTGC
8701	CCCGACTGGC	CCATCCTTTC	CAGGTGCAGT	CCCCCTTACT	GTGTCTGCCA	AGGGTGCCAG
8761	CACAGCCGCC	CCACTCCAGG	GGAAGAGGAG	TGCCAGCCCT	TACCACCTGA	GTGGGCACAG
8821	TGTAGCATTT	ATTCATTAGC	CCCCACACTG	GCCTGACCAT	CTCCCCTGTG	GGCTGCATGA
8881	CAAGGAGAGA	GAACAGGCTG	AGGTGAGAGC	TACTGTCAAC	ACCTAAACCT	AAAAAATCTA
8941	TAAATGGGCT	GGGCAGGGTG	GCTCACGCCT	GTAAATCCCAG	CACCTTGGGA	GGCCGAGATG
9001	GGTGGATCAC	CTGAGGTCAG	ATGTTTCGAGA	CCAGCCTGGC	CAACATGGTG	AAACCCCGTC
9061	TCTACTAAAA	ATACAAAAAA	TTAGCTGGGC	GTGGTGGTGG	GTGCCTGTAA	TCCCAGCTAC
9121	TCAGGAGGCT	GAGGCAGGAG	AATTGCTTGA	ACCTGGGAGG	CAGAGGCTGC	AGTGAGCCGA
9181	GATCGCATCA	TTGCACTCCA	GCCTGGTCAA	CAAGAGTGAA	ACTGTCTTAA	AAAAAAAATC
9241	TATAATTGAT	ATCTTTAGAA	AGATAAAACT	TTGCATTTCAT	GAAATAAGAA	TAGGAGGGTC
9301	TAAAATAAAA	ATGTTCAAAC	ACCCACCACC	ACTAATTCTT	GACAAAAATA	TAGTCTGGGT
9361	GCCTTAGCTC	ATGCCTGTAA	TCCCAGCATT	TTGGGAGGCT	AAGGCAGGAG	GATTGTTTGA
9421	GCCTAGGAAT	TC				

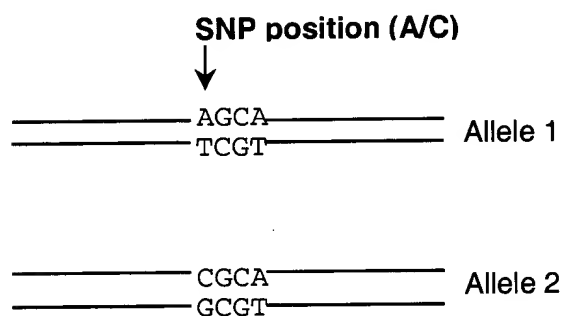
FIGURE 2

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1 GAATTCAAGA CCAGCCTGGA CAACTTGGAA GAACCSGGTC TCTACAAAAA ATACAAAATT
61 AGCTGGGATT GGGTGCGGTG GCTCATGCCT ATAATCCCAG CACTTTGGGA GCCTGAGGTG
121 GGTGGATCAC CTGAAGTCAG GAGTTCAAGA CTAGCCTGGC CAACATGGTG AAACCCTATC
181 TCTACTGAAA ATAYAAAAAG CTAGACGTGG TGGCACACAC CTGTAATCCC AGCTACTTAG
241 GAGGCTGAGG CAGGAGAATT GCTTGAAGCC TAGAGGTGAA GGTGTAGTG AGCCGAGATT
301 GCATCATTCG ACAATGGAGG GGAGCCACCA GCCTGGGCAA CAAGAGGAAA TCTCCGTCTC
361 CAAAAAAAAA AAAAAAAAAA AAAGRATTAG GCTGGGTGGT GCCTGTAGTC CCAGCTACTT
421 GGGAGGCAGG GGGTCCACTT GATGTGCGAGA CTGCAGTGAG CCATGATCCT GCCACTGCAC
481 TCCGGCCTGG GCAACAGAGT GAGACCCTGT CTAAAGAAAA AAAAAATAAA GCAACATATC
541 CTGAACAAAG GATCCTCCAT AACGTTCCCA CCAGATTTCT AATCAGAAAC ATGGAGGCCA
601 GAAAGCAGTG GAGGAGGACR ACCCTCAGGC AGCCCGGGAG GATGTTGTCA CAGGCTGGGG
661 CAAGGGCCTT CCGGCTACCA ACTGGGAGCT CTGGGAACAG CCCTGTTGCA AACAAGAAGC
721 CATAGCCCGG CCAGAGCCCA GGAATGTGGG CTGGGCTGGG AGCAGCCTCT GGACAGGAGT
781 GGTCCCATCC AGGAAACCTC CGGCATGGCT GGGAAAGTGGG GTACTTGGTG CCGGGTCTGT
841 ATGTGTGTGT GACTGGTGTG TGTGAGAGAG AATGTGTGCT CTAAGTGTCA GTGTGAGTCT
901 GTGTATGTGT GAATATTGTC TTTGTGTGGG TGATTTTCTG CRTGTGTAAT CGTGTCCCTG
961 CAAGTGTGAA CAAGTGGACA AGTGTCTGGG AGTGGACAAG AGATCTGTGC ACCATCAGGT
1021 GTGTGCATAG CGTCTGTGCA TGTCAAGAGT GCAAGGTGAA GTGAAGGGAC CAGGCCCATG
1081 ATGCCACTCA TCATCAGGAG CTCTAAGGCC CCAGGTAAGT GCCAGTGACA GATAAGGGTG
1141 CTGAAGGTCA CTCTGGAGTG GGCAGGTGGG GGTAGGGAAA GGGCAAGGCC ATGTTCTGGA
1201 GGAGGGGTTG TGAATACATT AGGGTGTATG AGCCTAGCTG GGAGGTGGAT GGCCRGGTCC
1261 ACTGAAACCC TGGTTATCCC AGAAGGCTTT GCAGGCTTCA GGAGCTTGA GTGGGGAGAG
1321 GGGGTGACTT CTCCGACCAG GCCCCTCCAC CGGCCTACCC TGGGTAAGGG CCTGGAGCAG
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1441 GCAGCACAGT CAACACAGCA GGTTCCTCA CAGCAGAGGG CAAAGGCCAT CATCAGCTCC
1501 CTTTATAAGG GAAGGGTCAC GCGCTCGGTG TGCTGAGAGT GTCCTGCCTG GTCCTCTGTG
1561 CCTGGTGGGG TGGGGGTGCC AGGTGTGTCC AGAGGAGCCC ATTTGGTAGT GAGGCAGGTA
1621 TGGGGCTAGA AGCACTGGTG CCCCTGGCCG TGATAGTGGC CATCTTCCTG CTCCTGGTGG

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# FIGURE 3 One Base Sequencing (OBS) Outline



Add Cy5-ddATP + dTTP,dCTP,dGTP + DNA polymerase

